

FIG.1

TABLE 1

GOAL	GOAL PARAMETERS
DURING "T", SATISFY "Q" FOR CLIENT "C" USING SERVICE "S"	C: Client $\in$ {client1, client2, ...} S: Service $\in$ {Web, DNS, Fileserver, ERP, ...} Q: QoS Expression Q.metric: QoS Metric $\in$ {TransactionResponseTime, TransactionFailRate, ...} Q.op: Operator $\in$ {=, $\leq$ , $\geq$ , ...} Q.value: Desired QoS Value $\in$ {Float, Integer, Enumeration, ...} T: TimeRange

FIG.2

TABLE 2

PROCEDURAL POLICY LOGIC	
1.	if ( $\neg$ satisfied ( getClientQoS( C, Q.metric), Q.op, Q.value ) )
2.	then
3.	set priority[C][S] = priority[C][S]++     // Make appropriate priority adjustment, i.e. increase.
4.	enforce the following "if condition then action" rule at each network element E that switches packets sent to/from C:
5.	if ( packet P has arrived at E ) && ( timeOfDay is in T ) &&
6.	( ( P.destIPport = S.serviceIPport ) && ( P.srcIPsubnet = C.subnetMask ) )
7.	( ( P.srcIPport = S.serviceIPport ) && ( P.destIPsubnet = C.subnetMask ) ) )
8.	then
9.	set P.priority = priority[C][S]
10.	endif
11.	Endif.

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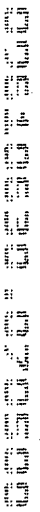


FIG. 4

